

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/552,182  
Source: PU10  
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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,182

DATE: 10/18/2005

TIME: 10:15:01

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\10182005\J552182.raw

3 <110> APPLICANT: The Government of the United States of America as  
 4 represented by the Secretary of the Department of Health and  
 5 Human Services, Centers for Disease Control and Prevention  
 6 Kalish, Marcia L  
 7 Ndongmo, Clement B  
 8 Pau, Chou-Pong  
 9 Switzer, William M.  
 10 Folks, Thomas M.

12 <120> TITLE OF INVENTION: Multiple Antigenic Peptide Assay for Detection of HIV or SIV  
 Type

13       Retroviruses  
 15 <130> FILE REFERENCE: 6395-67856-06  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/552,182  
 C--> 17 <141> CURRENT FILING DATE: 2005-10-05  
 17 <150> PRIOR APPLICATION NUMBER: US 60/462,071  
 18 <151> PRIOR FILING DATE: 2003-04-11  
 20 <150> PRIOR APPLICATION NUMBER: PCT/US2004/011022  
 21 <151> PRIOR FILING DATE: 2004-04-08  
 23 <160> NUMBER OF SEQ ID NOS: 30  
 25 <170> SOFTWARE: PatentIn version 3.2  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 11  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Artificial Sequence  
 32 <220> FEATURE:  
 33 <223> OTHER INFORMATION: SIVcpzGab virus  
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 37 Trp Gly Cys Ser Gly Lys Ala Val Cys Tyr Thr  
 38 1                   5                   10  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 11  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:  
 47 <223> OTHER INFORMATION: SIVcpzCam virus  
 49 <400> SEQUENCE: 2  
 51 Trp Gly Cys Ser Gly Lys Ala Ile Cys Tyr Thr  
 52 1                   5                   10  
 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 11  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: SIVcpzAnt virus

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63 <400> SEQUENCE: 3  
65 Trp Gly Cys Ala Asp Lys Val Ile Cys His Thr  
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69 <210> SEQ ID NO: 4  
70 <211> LENGTH: 11  
71 <212> TYPE: PRT  
72 <213> ORGANISM: Artificial Sequence  
74 <220> FEATURE:  
75 <223> OTHER INFORMATION: SIVsm virus  
77 <400> SEQUENCE: 4  
79 Trp Gly Cys Ala Phe Arg Gln Val Cys His Thr  
80 1 5 10  
83 <210> SEQ ID NO: 5  
84 <211> LENGTH: 11  
85 <212> TYPE: PRT  
86 <213> ORGANISM: Artificial Sequence  
88 <220> FEATURE:  
89 <223> OTHER INFORMATION: SIVagm-1 virus  
91 <400> SEQUENCE: 5  
93 Trp Gly Cys Ala Trp Lys Gln Val Cys His Thr  
94 1 5 10  
97 <210> SEQ ID NO: 6  
98 <211> LENGTH: 11  
99 <212> TYPE: PRT  
100 <213> ORGANISM: Artificial Sequence  
102 <220> FEATURE:  
103 <223> OTHER INFORMATION: SIVagm-2 virus  
105 <400> SEQUENCE: 6  
107 Trp Gly Cys Ala Phe Lys Gln Val Cys His Thr  
108 1 5 10  
111 <210> SEQ ID NO: 7  
112 <211> LENGTH: 11  
113 <212> TYPE: PRT  
114 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: SIVsun/lhoest virus  
119 <400> SEQUENCE: 7  
121 Trp Gly Cys Gln Trp Lys Gln Val Cys His Thr  
122 1 5 10  
125 <210> SEQ ID NO: 8  
126 <211> LENGTH: 11  
127 <212> TYPE: PRT  
128 <213> ORGANISM: Artificial Sequence  
130 <220> FEATURE:  
131 <223> OTHER INFORMATION: SIVcol virus  
133 <400> SEQUENCE: 8  
135 Ile Gly Cys Ala Asn Met Gln Ile Cys Arg Thr  
136 1 5 10  
139 <210> SEQ ID NO: 9

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140 <211> LENGTH: 11  
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142 <213> ORGANISM: Artificial Sequence  
144 <220> FEATURE:  
145 <223> OTHER INFORMATION: SIVrcm virus  
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150 1 5 10  
153 <210> SEQ ID NO: 10  
154 <211> LENGTH: 11  
155 <212> TYPE: PRT  
156 <213> ORGANISM: Artificial Sequence  
158 <220> FEATURE:  
159 <223> OTHER INFORMATION: SIVmnd14 virus  
161 <400> SEQUENCE: 10  
163 Trp Gly Cys Ser Phe Ser Gln Val Cys His Thr  
164 1 5 10  
167 <210> SEQ ID NO: 11  
168 <211> LENGTH: 11  
169 <212> TYPE: PRT  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: SIVmndGB1 virus  
175 <400> SEQUENCE: 11  
177 Trp Gly Cys Ser Trp Ala Gln Val Cys His Thr  
178 1 5 10  
181 <210> SEQ ID NO: 12  
182 <211> LENGTH: 11  
183 <212> TYPE: PRT  
184 <213> ORGANISM: Artificial Sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: SIVsyk virus  
189 <400> SEQUENCE: 12  
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192 1 5 10  
195 <210> SEQ ID NO: 13  
196 <211> LENGTH: 11  
197 <212> TYPE: PRT  
198 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: SIVdeb virus  
203 <400> SEQUENCE: 13  
205 Trp Gly Cys Ala Phe Lys Gln Ile Cys His Thr  
206 1 5 10  
209 <210> SEQ ID NO: 14  
210 <211> LENGTH: 15  
211 <212> TYPE: PRT  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:

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215 <223> OTHER INFORMATION: SIVcpzGab virus  
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219 Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr Asn Ile  
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223 <210> SEQ ID NO: 15  
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225 <212> TYPE: PRT  
226 <213> ORGANISM: Artificial Sequence  
228 <220> FEATURE:  
229 <223> OTHER INFORMATION: SIVsm virus  
231 <400> SEQUENCE: 15  
233 Val Leu Pro Val Thr Ile Met Ser Gly Leu Val Phe His Ser Gln  
234 1 5 10 15  
237 <210> SEQ ID NO: 16  
238 <211> LENGTH: 15  
239 <212> TYPE: PRT  
240 <213> ORGANISM: Artificial Sequence  
242 <220> FEATURE:  
243 <223> OTHER INFORMATION: SIVagm virus  
245 <400> SEQUENCE: 16  
247 Val Leu Pro Val Thr Ile Met Ala Gly Leu Val Phe His Ser Gln  
248 1 5 10 15  
251 <210> SEQ ID NO: 17  
252 <211> LENGTH: 15  
253 <212> TYPE: PRT  
254 <213> ORGANISM: Artificial Sequence  
256 <220> FEATURE:  
257 <223> OTHER INFORMATION: SIVsyk virus  
259 <400> SEQUENCE: 17  
261 Ile Lys Asn Ile Gln Leu Ala Ala Gly Tyr Phe Leu Pro Val Ile  
262 1 5 10 15  
265 <210> SEQ ID NO: 18  
266 <211> LENGTH: 15  
267 <212> TYPE: PRT  
268 <213> ORGANISM: Artificial Sequence  
270 <220> FEATURE:  
271 <223> OTHER INFORMATION: SIV1hoest virus  
273 <400> SEQUENCE: 18  
275 Glu Val Ser Thr Ile Ser Ser Thr Gly Leu Leu Phe Tyr Tyr Gly  
276 1 5 10 15  
279 <210> SEQ ID NO: 19  
280 <211> LENGTH: 15  
281 <212> TYPE: PRT  
282 <213> ORGANISM: Artificial Sequence  
284 <220> FEATURE:  
285 <223> OTHER INFORMATION: SIVcol virus  
287 <400> SEQUENCE: 19  
289 His Arg Asn Leu Asn Thr Ala Asn Gly Ala Lys Phe Tyr Tyr Glu  
290 1 5 10 15

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Input Set : A:\Sequence Listing.txt  
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293 <210> SEQ ID NO: 20  
294 <211> LENGTH: 15  
295 <212> TYPE: PRT  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: SIVrcm virus  
301 <400> SEQUENCE: 20  
303 Val Lys Gly Ile Ser Leu Ala Thr Gly Val Phe Ile Ser Leu Arg  
304 1 5 10 15  
307 <210> SEQ ID NO: 21  
308 <211> LENGTH: 15  
309 <212> TYPE: PRT  
310 <213> ORGANISM: Artificial Sequence  
312 <220> FEATURE:  
313 <223> OTHER INFORMATION: SIVmnd14 virus  
315 <400> SEQUENCE: 21  
317 Ile Val Ser Val Pro Ser Ala Ser Gly Leu Ile Phe Tyr His Gly  
318 1 5 10 15  
321 <210> SEQ ID NO: 22  
322 <211> LENGTH: 15  
323 <212> TYPE: PRT  
324 <213> ORGANISM: Artificial Sequence  
326 <220> FEATURE:  
327 <223> OTHER INFORMATION: SIVdeb virus  
329 <400> SEQUENCE: 22  
331 Tyr Arg Ala Val His Met Ala Thr Gly Leu Ser Phe Tyr Thr Thr  
332 1 5 10 15  
335 <210> SEQ ID NO: 23  
336 <211> LENGTH: 28  
337 <212> TYPE: PRT  
338 <213> ORGANISM: Artificial Sequence  
340 <220> FEATURE:  
341 <223> OTHER INFORMATION: SIVcpzGab virus  
343 <400> SEQUENCE: 23  
345 Asn Asn Thr Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr  
346 1 5 10 15  
349 Asn Ile Glu Asn Val Val Gly Asp Thr Arg Ser Ala  
350 20 25  
353 <210> SEQ ID NO: 24  
354 <211> LENGTH: 28  
355 <212> TYPE: PRT  
356 <213> ORGANISM: Artificial Sequence  
358 <220> FEATURE:  
359 <223> OTHER INFORMATION: SIVmnd virus  
361 <400> SEQUENCE: 24  
363 Asn Arg Ser Val Val Ser Thr Pro Ser Ala Thr Gly Leu Leu Phe Tyr  
364 1 5 10 15  
367 His Gly Leu Glu Pro Gly Lys Asn Leu Lys Lys Gly  
368 20 25

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/552,182

DATE: 10/18/2005

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Input Set : A:\Sequence Listing.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date